

IN THE CLAIMS

Please cancel claims 12 and 34-36 without prejudice.

56
Sub
H1

11. (Thrice amended) An automated method of assisting a user with the task of categorizing electronic documents into a collection, comprising the steps of:

- classifying, with a classifier, a document to obtain a plurality of most likely categorical labels;
- deriving a plurality of categorizations shortcuts from the plurality of most likely categorical labels;
- displaying, to the user, a representation of the plurality of most likely categorical labels;
- receiving, from the user, a selection of one or more of the most likely categorical labels representative of the document to be categorized within a collection;
- labeling the document within the collection with one or more of the selected categorical labels; and
- incrementally retraining the classifier to adapt to modifications of the collection, wherein the incremental retraining is performed using a lazy strategy for incrementally retraining the classifier.

G 2

61. (Twice amended) A program storage device, readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for automatically assisting a user with the task of categorizing an electronic document into a collection, the method comprising the steps of:

classifying, with a classifier, a document to obtain a plurality of most likely categorical labels;

deriving a plurality of categorizations shortcuts from the plurality of most likely categorical labels;

displaying, to the user, a representation of the plurality of most likely categorical labels;

62 receiving, from the user, a selection of one or more of the most likely categorical labels representative of the document to be categorized within a collection;

labeling the document within the collection with one or more of the selected categorical labels; and

incrementally retraining the classifier to adapt to modifications of the collection, wherein the incremental retraining is performed using a lazy strategy for incrementally retraining the classifier.

63 64. (New) The automated method of claim 11, wherein the incrementally retraining is performed using a lazy strategy for incrementally retraining the classifier comprises:

deferring retraining of the classifier;

performing bookkeeping operations whenever messages are added to folders, removed from folders, or moved from one folder to another; and

automatically triggering retraining of the classifier by a predetermined criteria, wherein the retraining the classifier by processing any updates that have been deferred.

65. (New) The automatic method of claim 64, wherein the predetermined criteria for